

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A control apparatus using a brain wave signal, said apparatus comprising:

a first storing means-unit for pre-storing operation descriptions, which are descriptions (referred to as operation descriptions from here on) of a plurality of types of operations, each of which is to be performed on an apparatus to be controlled, and a plurality of brain wave patterns being respectively associated with the operation descriptions of the plurality of types of operations;

a second storing means-unit for pre-storing a plurality of control data each of which is used for causing an apparatus to be controlled to carry out an operation specified by a corresponding operation description stored in said first storing meansunit;

a brain wave detecting means-unit for detecting a brain wave signal from a user's head;

a brain wave pattern generating means-unit for generating a brain wave pattern based on the brain wave signal detected by said brain wave detecting meansunit;

a brain wave pattern comparison means-unit for comparing the brain wave pattern generated by said brain wave pattern generating means-unit with the plurality of brain wave patterns stored in said

first storing meansunit, and for, when there exists a brain wave pattern substantially matching the generated brain wave pattern in said first storing meansunit, identifying an operation description associated with this brain wave pattern substantially matching the generated brain wave pattern; and

a signal processing means-unit for reading control data corresponding to said identified operation description from said second storing means-unit so as to generate a control signal causing an apparatus to be controlled to carry out an operation specified by said identified operation description.

2. (Original) The control apparatus using brain wave signals according to Claim 1, wherein said apparatus to be controlled is a vehicle-mounted apparatus and said signal processing means sends out the generated control signal to the vehicle-mounted apparatus.

3. (Currently Amended) The control apparatus using brain wave signals according to Claim 1, wherein when receiving an instruction for associating a brain wave pattern generated by said brain wave pattern generating means-unit with an operation description displayed on a display meansunit, the operation description specifying an operation to be performed on an apparatus to be controlled, said first storing means-unit stores the

generated brain wave pattern therein while associating it with the operation description.

4. (Currently Amended) The control apparatus using brain wave signals according to Claim 2, wherein when receiving an instruction for associating a brain wave pattern generated by said brain wave pattern generating ~~means-unit~~ with an operation description displayed on a display ~~meansunit~~, the operation description specifying an operation to be performed on an apparatus to be controlled, said first storing ~~means-unit~~ stores the generated brain wave pattern therein while associating it with the operation description.

5. (Currently Amended) The control apparatus using brain wave signals according to Claim 3, wherein said first storing ~~means-unit~~ has a plurality of storing areas in each of which a plurality of brain wave patterns respectively associated with a plurality of operation descriptions are stored, the plurality of storing areas being associated with a plurality of users, respectively, and said brain wave pattern comparison ~~means-unit~~ compares the brain wave pattern generated by said brain wave pattern generating ~~means-unit~~ with the plurality of brain wave patterns stored in a storing area

first storing ~~means~~unit, said storing area being specified by input identification data that identifies a corresponding user.

6. (Currently Amended) A The control apparatus using a brain wave signal according to Claim 1, wherein said apparatus ~~comprising~~
further comprises:

~~a brain wave detecting means for detecting a brain wave from a user's head so as to generate a brain wave signal,~~

a moving object information detecting ~~means~~unit for detecting a change of a status of a moving object; and

a security determination ~~means~~unit for sending out an electric wave indicating a notification that said moving object has been stolen when said moving object information detecting ~~means~~unit detects a change of the status of said moving object while said brain wave detecting ~~means~~unit does not detect any brain wave.

7. (Currently Amended) The control apparatus using brain wave signals according to Claim 6, wherein said moving object information detecting ~~means~~unit is a position detecting ~~means~~unit for detecting a current position of said moving object, and, when detecting a change of the current position of said moving object by using said position detecting ~~means~~unit while said brain wave

detecting means-unit does not detect any brain wave, said security determination means-unit sends out an electric wave indicating a notification that said moving object has been stolen.

8. (Currently Amended) The control apparatus using brain wave signals according to Claim 6, wherein said moving object information detecting means-unit is an engine start detecting means-unit for detecting a start of an engine of said moving object, and, when detecting a start of the engine of said moving object by using said engine start detecting means-unit while said brain wave detecting means-unit does not detect any brain wave, said security determination means-unit sends out an electric wave indicating a notification that said moving object has been stolen.

9. (Currently Amended) The control apparatus using brain wave signals according to Claim 6, wherein said moving object information detecting means-unit is a velocity detecting means-unit for detecting a velocity of said moving object, and, when detecting a movement of said moving object by using said velocity detecting means-unit while said brain wave detecting means-unit does not detect any brain wave, said security determination means-unit sends out an electric wave indicating a notification that said moving object has been stolen.

10. (Currently Amended) The control apparatus using brain wave signals according to Claim 6, wherein said security determination means—unit transmits an electric wave indicating a notification that said moving object has been stolen to a predetermined management center.

11. (Currently Amended) The control apparatus using brain wave signals according to Claim 6, wherein said security determination means—unit transmits an electric wave indicating a notification that said moving object has been stolen to a predetermined communication terminal.

12. (Currently Amended) The control apparatus using brain wave signals according to Claim 11, wherein said predetermined communication terminal is a communication terminal owned by a user associated with identification data preset by said security determination meansunit.

13. (Currently Amended) The control apparatus using brain wave signals according to Claim 6, wherein the electric wave sent out by said security determination means—unit includes current

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position information indicating a current position of said moving object.